



Dix River Watershed Stakeholder Meeting Minutes

November 19, 2020, 1:30PM-3:00PM

I. Introductions/Attendees:

Alain Mills (KRWW), **Alexis Sheffield** (Boyle Co Ext),
Amy Sohner (BGGs), **Bill Payne** (LCSD), **Brett Werner**
(Centre/CREEC), **Brittany Elkins** (Boyle Co HD),
Chelsea Durbin (KDOW), **Earl Coffey** (City of
Danville), **Jamie Hester** (CREEC), **Jane Vanhook**
(KRWW), **Jason Stevens** (Boyle Co HD), **Jerry Little**
(Boyle Co Ext), **Jim Adams** (Lincoln County),
John Scarpa (NRCS), **Lindsie Nicholas** (BGGs),
Malissa McAlister (KWRRI/KRWW), **Maxine Rudder**
(BGGs), **Mike Galloway** (Danville WWTP),
Preston Miles (CREEC), **Tim and Margo Smith**
(Hustonville City Council and Residents)



II. Clarks Run and Hanging Fork Watershed Program Updates (Lindsie Nicholas)

- a. 6 Septic Care workshops held in Boyle and Lincoln Co between 2018-2020 with a total of 100 attendees and 60 applications for the Septic Pumpout and Repair Program
- b. Total of 30 pumpouts and 9 septic repair/replacements approved in Clarks Run and Hanging Fork watersheds between 2018-2020
- c. 2 Saving Our Streambanks workshops help in Boyle and Lincoln Co with 5 completed riparian buffer projects in the focus watersheds (2 public projects and 3 private)
- d. Connecting Community and Water site live and available as an online learning tool for connecting families, students, and communities to our local waterways
<https://bggreensource.org/watershed-improvement/> (click logo to access)
- e. Water Quality Student Packets (Get to Know Your H2O) available for students in the watershed, looking to partner with teachers for accompanying virtual lessons
- f. Dix River Watershed Coloring Page also available on the site to download and print
- g. Septic Care Workshops and pumpout and repair program applications planned for late winter/spring 2021
- h. Saving Our Streambanks workshops and riparian buffer mini grant applications also planned for late winter/ early spring 2021
- i. Working with CD/NRCS/Extension Offices to conduct Farm Tours with a videographer to highlight the hard work local farmers are putting into conservation efforts
- j. Looking for additional farms in the watershed interested in participating
- k. Water Quality Mini Grant Program rolling out in 2021/22 as seed money for stakeholder led water quality projects in the watershed (5 x \$5,000 projects w/ 20% match)

- III. Danville WWTP Updates (Mike Galloway)
 - a. WWTP Superintendent, 31 years with the Danville WWTP
 - b. Original Construction in 1980, upgraded in 2000 to a design capacity of 6.5 MGD
 - c. 3 EQ lagoons have approximately 20 MG of holding capacity for wet weather storage
 - d. Biggest operational challenge = inflow and infiltration (recent study by HDR estimated 5.64 MGD average flow, 3.72 MGD of that being from I/I into the system-66%)
 - e. Danville WWTP Lab certified through KDOW to analyze TSS, E. coli, Dissolved Oxygen, pH, Ammonia Nitrogen, Total Phosphorous, CBOD5
 - f. WWTP primarily serves Danville and Boyle Co including Junction City and North Point Training Center, as well as Burgin, Mercer Co Sanitation District, and Moreland/Hustonville (Lincoln Co Sanitation District)
 - g. Around 6,850 connections, 19,226 persons, and 8,339 households
 - h. Planned upgrade projected for 2021, approximately \$10 million in upgrades
 - i. Upgrades include new UV disinfection (16 MGD Peak to 26 MGD Peak), new screening at headworks, new lab and operations building with system wide SCADA, new solids handling building with 2 new screw presses for solids dewatering, rehab RAS, scum, and sanitary sewer pump stations

- IV. Kentucky River Basin Update and KRWV Update (Malissa McAlister)
 - a. 2020 Sampling in July and September
 - b. High E. coli @ St. Asaph's Creek in Stanford from 2019 shows signs of decreasing in 2020 from corrected sanitary sewer illicit connection
 - c. High E. coli @ Hanging Fork and Baughman Creek in Hustonville
 - d. High E. coli @ Balls Branch on Popplewell Lane
 - e. Historically high nitrogen levels @ Clarks Run and Goggin Ln sampling location, needs further investigation
 - f. 2020-2022 Kentucky River Authority Watershed Grant received 3 applications for the Dix River Watershed, awarded to CREEC and Buffalo Springs/St. Asaph Creek Project

- V. Danville Stormwater Program Update (Earl Coffey)
 - a. City currently looking to fill two engineering positions
 - b. Educational, interpretive, and directional signage plan shared with the group for Danville trails and facilities

- VI. PH II Sewer Project Update (Bill Payne)
 - a. Sanitary sewer project connecting Hustonville and 127 Corridor
 - b. 580 customers currently served, Phase II would add 365 new customers
 - c. LCSD put together a sheet of Frequently Asked Questions to help residents better understand the need for the sewer and how to connect

- VII. CREEC projects and current initiatives (Preston Miles)
 - a. CREEC 50th Anniversary Earth Day event scheduled for April 25, 2020 was postponed and then cancelled – lots of extra 50th Anniversary T-shirts
 - b. National Clean-Up Day Celebration on September 20, 2020 in collaboration with Bluegrass Greensource, Heart of Danville, Danville Rotary Club, and Centre Environmental Association was a success with over 50 attendees

- c. KRA grant application approved for 2020-2022 for Clarks Run Watershed Based BMP Feasibility Study – identify, evaluate, and select BMPs capable of reducing the impact of urban development in the Clarks Run watershed
- d. Collaborating with EcoGro, Stantec, and Ridgewater to evaluate impact of the removal of two low-head dams, address bank stability, and aquatic impacts
- e. Working on passive educational signage along Michael Smith Park
- f. Live data stream from water quality sonde on Clarks Run at Goggin Lane bridge
- g. Data available in near real time via <http://www.clarksrn.info/> or <https://v2.wqdatalive.com/public/1083>

VIII. Centre Environmental Association Updates (Brett Werner)

- a. Contact Brett with ideas for spring projects – Brett.werner@centre.edu
- b. Centre operates an automated water quality monitoring station on Clarks Run, students will be analyzing data Spring 2021
- c. Some example student projects:
 - i. Anna Bushong is working with Mark Galatowitsch on water quality research
 - ii. Emma Fillion has started a nutrient sampling focus study with Malissa McAlister
 - iii. Deidre Mohan worked on upstream-downstream nutrient analysis
 - iv. Isabel Harrison is working on the Herrington Lake Coal Ash Pollution topic from a legal perspective

IX. Logan's Fort Trail Update (Jane Vanhook)

- a. St. Asaph Creek/ Buffalo Spring adjacent to Logan's Fort
- b. Reconstruction started in 2009, Friends of Logan's Fort began planning events at the Fort in 2016 (Skills demonstrations, Friday Night at the Fort, Christmas Open House)
- c. City of Stanford owns 16 acres with plans to develop the park
- d. Park currently includes the Ice House as a place for special events, log benches along the creek, and a two-story log cabin representing the first grist mill in Kentucky
- e. Student field trips to the park include art, history, and science – providing educational opportunities for students to complete WQ testing and Macro IDs, students learn about WQ impacts from human activity, and discuss their drinking water source
- f. Over 4 years of water quality data at this site from volunteer samplers
- g. KRA grant application approved for 2020-2022 to help fund an interpretive trail along Buffalo Springs as part of the Logan's Fort Park Master Plan

X. **Next Stakeholder Meeting TBD - February 2021**

- a. Group agreed to reschedule a time to complete the Compass™ Message Box activity:
 - Encouraging Streamside Buffers
 - Generating new interest in waterways and related projects
 - Increasing Watershed Watch participation
- b. Meeting minutes, presentations, recordings, and upcoming meeting dates will be posted on the Dix River site: <https://bggreensource.org/dix-river-watershed-group/>